

=====

Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=5; day=6; hr=14; min=49; sec=14; ms=520;]

=====

Reviewer Comments:

<210> 5

<211> 15

<212> PRT

<213> Drosophila melanogaster, Homo sapiens

<220>

<221> peptide

<222> (1)..(15)

<210> 6

<211> 15

<212> PRT

<213> Drosophila melanogaster, Homo sapiens

<220>

<221> peptide

<222> (1)..(15)

For SEQ ID # 5 and 6, "<213> Drosophila melanogaster, Homo sapiens", numeric identifier <213> can be only a single genus/species. If this sequence is a mix of Drosophila Melanogaster and Homo Sapiens genetic material, make <213> "Artificial Sequence" and use "Drosophila melanogaster, Homo sapiens" as the <223> in the mandatory feature.

<220>

<221> peptide

<222> (1)..(15)

Many of the sequences, in the sequence listing, contain incomplete

features like the one above.

<210> 15

<211> 19

<212> PRT

<213> Artificial sequence

"sequence" in SEQ ID # 15 is miss spelled it should be "Sequence."

Application No: 10576757

Version No: 1.0

Input Set:

Output Set:

Started: 2008-04-22 16:29:41.771

Finished: 2008-04-22 16:29:42.778

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 7 ms

Total Warnings: 15

Total Errors: 0

No. of SeqIDs Defined: 24

Actual SeqID Count: 24

| Error code | Error Description |
|------------|---|
| W 402 | Undefined organism found in <213> in SEQ ID (5) |
| W 402 | Undefined organism found in <213> in SEQ ID (6) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (9) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (10) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (11) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (12) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (13) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (14) |
| W 402 | Undefined organism found in <213> in SEQ ID (15) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (16) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (17) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (18) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (22) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (23) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (24) |

SEQUENCE LISTING

<110> Winter Sederoff, Heike
Huber, Steven C
Larabell, Carolyn A

<120> SYNTHETIC PEPTIDES THAT CAUSE F-ACTIN BUNDLING AND BLOCK ACTIN
DEPOLYMERIZATION

<130> JIB-1571PCT

<140> 10576757

<141> 2008-04-22

<150> US 60/513,275

<151> 2003-10-20

<160> 24

<170> PatentIn version 3.2

<210> 1

<211> 15

<212> PRT

<213> Zea mays

<220>

<221> peptide

<222> (1)..(15)

<400> 1

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Asn | Gly | Ile | Val | Arg | Lys | Trp | Ile | Ser | Arg | Phe | Glu | Val | Trp |
| 1 | | | | 5 | | | | 10 | | | | | 15 | |

<210> 2

<211> 15

<212> PRT

<213> Zea mays

<220>

<221> peptide

<222> (1)..(15)

<400> 2

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Asn | Gly | Ile | Leu | Arg | Lys | Trp | Ile | Ser | Arg | Phe | Asp | Val | Trp |
| 1 | | | | 5 | | | | 10 | | | | | 15 | |

<210> 3

<211> 15

<212> PRT

<213> Zea mays

<220>

<221> peptide

<222> (1)..(15)

<400> 3

Glu Asn Gly Ile Val Arg Lys Trp Ile Ser Arg Phe Glu Val Trp
1 5 10 15

<210> 4

<211> 15

<212> PRT

<213> Zea mays

<220>

<221> peptide

<222> (1)..(15)

<400> 4

Glu Asn Gly Ile Leu Lys Lys Trp Ile Ser Arg Phe Asp Val Trp
1 5 10 15

<210> 5

<211> 15

<212> PRT

<213> Drosophila melanogaster, Homo sapiens

<220>

<221> peptide

<222> (1)..(15)

<400> 5

Glu His Gly Ile Val Thr Asn Trp Asp Asp Met Glu Lys Ile Trp
1 5 10 15

<210> 6

<211> 15

<212> PRT

<213> Drosophila melanogaster, Homo sapiens

<220>

<221> peptide

<222> (1)..(15)

<400> 6

Glu His Gly Ile Ile Thr Asn Trp Asp Asp Met Glu Lys Ile Trp
1 5 10 15

<210> 7
<211> 15
<212> PRT
<213> Drosophila melanogaster

<220>
<221> peptide
<222> (1)..(15)

<400> 7

Glu His Gly Ile Val Lys Asp Trp Asn Asp Met Glu Arg Ile Trp
1 5 10 15

<210> 8
<211> 15
<212> PRT
<213> Drosophila melanogaster

<220>
<221> peptide
<222> (1)..(15)

<400> 8

Glu Asn Gly Val Val Arg Asn Trp Asp Asp Met Cys His Val Trp
1 5 10 15

<210> 9
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> SS1 inactive control peptide

<220>
<221> peptide
<222> (1)..(17)

<400> 9

Gly Asp Arg Val Leu Ser Arg Leu His Ser Val Arg Glu Arg Ile Gly
1 5 10 15

Lys

<210> 10
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> SS2 active peptide based on SuSy 377-392

<220>
<221> peptide
<222> (1)..(18)

<400> 10

Gly Ile Val Arg Lys Trp Ile Ser Arg Phe Glu Val Trp Pro Tyr Leu
1 5 10 15

Lys Lys

<210> 11
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> SS11 inactive synthetic peptide

<220>
<221> peptide
<222> (1)..(15)

<400> 11

Ile Leu Arg Val Pro Phe Arg Thr Glu Asn Gly Ile Val Arg Lys
1 5 10 15

<210> 12
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> SS12 active synthetic peptide

<220>
<221> peptide
<222> (1)..(16)

<400> 12

Gly Ile Val Arg Lys Trp Ile Ser Arg Phe Glu Val Trp Pro Tyr Leu
1 5 10 15

<210> 13

<211> 16

<212> PRT

<213> Artificial sequence

<220>

<223> SS15 less active synthetic peptide

<220>

<221> peptide

<222> (1)..(16)

<220>

<221> SITE

<222> (6)..(6)

<223> replaced Tryptophan residue with Alanines

<220>

<221> SITE

<222> (13)..(13)

<223> replaced Tryptophan residue with Alanine

<400> 13

Gly Ile Val Arg Lys Ala Ile Ser Arg Phe Glu Val Ala Pro Tyr Leu
1 5 10 15

<210> 14

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> SS16 less active synthetic peptide corresponding to short middle
portion of SS12

<220>

<221> peptide

<222> (1)..(9)

<400> 14

Ser Arg Phe Glu Val Trp Pro Tyr Leu
1 5

<210> 15

<211> 19

<212> PRT
<213> Artificial sequeunce

<220>
<223> NR11 inactive synthetic peptide

<220>
<221> peptide
<222> (1)..(19)

<400> 15

Gly Pro Thr Leu Lys Arg Thr Ala Ser Thr Ala Phe Met Asn Thr Thr
1 5 10 15

Ser Lys Lys

<210> 16
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> SP26 inactive synthetic peptide

<220>
<221> peptide
<222> (1)..(14)

<400> 16

Gly Arg Met Arg Arg Ile Ala Thr Val Glu Met Met Lys Lys
1 5 10

<210> 17
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Small block of SS12 sequence required for less active
synthetic peptide

<220>
<221> PEPTIDE
<222> (1)..(8)

<400> 17

Trp Ile Ser Arg Phe Glu Val Trp

1 5

<210> 18
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> SP3 inactive synthetic peptide

<220>
<221> PEPTIDE
<222> (1)..(10)

<400> 18

Arg Arg Ile Ser Ser Val Glu Asp Lys Lys
1 5 10

<210> 19
<211> 20
<212> PRT
<213> Drosophila melanogaster

<220>
<221> PEPTIDE
<222> (1)..(20)

<400> 19

Glu His Gly Ile Val Thr Asn Trp Asp Asp Met Glu Lys Ile Trp His
1 5 10 15

His Thr Phe Tyr
20

<210> 20
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> PEPTIDE
<222> (1)..(15)

<400> 20

Glu His Gly Val Val Arg Asp Trp Asn Asp Met Glu Arg Ile Trp
1 5 10 15

<210> 21
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> PEPTIDE
<222> (1)..(15)

<400> 21

Glu Asn Gly Ile Val Arg Asn Trp Asp Asp Met Lys His Leu Trp
1 5 10 15

<210> 22
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Core minimum block of SS12 sequence required for less active
synthetic peptide

<220>
<221> PEPTIDE
<222> (1)..(6)

<400> 22

Ser Arg Phe Glu Val Trp
1 5

<210> 23
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> SS synthetic peptide B

<220>
<221> PEPTIDE
<222> (1)..(13)

<400> 23

Trp Ile Ser Arg Phe Glu Val Trp Pro Tyr Leu Lys Lys
1 5 10

<210> 24
<211> 20

<212> PRT

<213> Artificial sequence

<220>

<223> SS synthetic peptide C

<220>

<221> PEPTIDE

<222> (1)..(20)

<400> 24

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Asn | Gly | Ile | Val | Arg | Lys | Trp | Ile | Ser | Arg | Phe | Glu | Val | Trp | Pro |
| 1 | | | | 5 | | | | 10 | | | | | | 15 | |

| | | | |
|-----|-----|-----|-----|
| Tyr | Leu | Lys | Lys |
| | | | 20 |